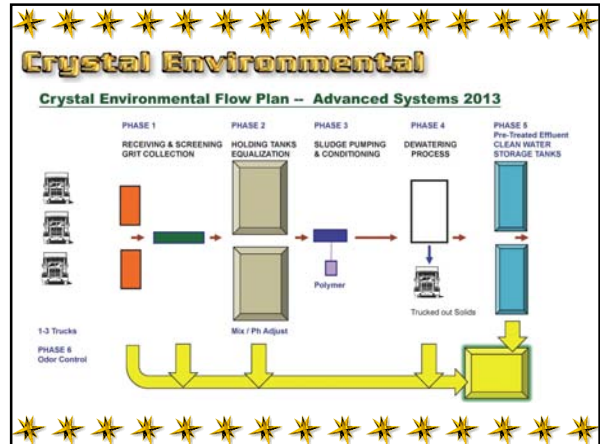


Crystal Environmental



Equalization

Ms. Therese Wheaton
www.crystalenv.com
"Specializing in Industrial and Municipal Solids-Liquid Separation"



Crystal Environmental

Equalization & Storage

- IN: Offload Truck at 200-400 GPM (1,000 GPM)
- OUT: Process Waste 30-200 GPM



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Tanks, Storage & Equalization



Pre-Engineered Concrete

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Outdoor Storage



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Transportable Tanks



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Process Equalization:

- Holding Tanks
- Sized for 50-100% of daily or weekly flow
- Equalization & Mixing
- Aerobic Process
- Anaerobic Digesters
- DAF / SAF Process
- pH Adjustment



Learn from the Mistakes of Others


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Tanks, Storage & Equalization



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Anaerobic Digester for Commercial Waste




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Aerobic Zone



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**Equalization & Storage
Your Recipe for ALL Waste Processing...**

- Homogenize Loads in Tanks
- This Makes Each Batches Similar
- Equalize / Mix / Agitate
- Biologically Treat Waste Stream ???
- Homogenizes your Solid and Liquid Results
- Minimizes your Chemical Use...\$\$\$\$\$

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Site Tour: This is NOT Equalization / Mixing



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Site Tour: This is NOT Equalization / Mixing



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This is NOT Equalization / Mixing



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This is A LOT of WORK!



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This is NOT Equalization / Mixing



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Mixing Devices vs. Pump Mixing



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Mixing



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Perfecting Chemistry is Hard Enough!



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The GOAL is Water Quality



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TANKS, STORAGE & EQUALIZATION



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Equalization & Storage

- ◆ Homogenize Loads in Tanks
- ◆ This Makes Each Batches Similar
- ◆ Homogenizes your Discharge Results
- ◆ Minimizes your Chemical Use...\$\$\$\$\$



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Used Tank Options

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Used Tank Options

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Interiors of the Tanks May Matter...

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Final Water Discharge Tanks???



Final Water Discharge Tanks???

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My Personal Favorite...

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Pre-Engineered Concrete

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Insulated with the Ground Temperature.

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Surface Area of the Tanks is Usable Space

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Surface Area of the Tanks is Usable Space

Crystal Environmental

QUESTIONS?



Optimize Your Process with Tanks!
"Specializing in Industrial and Municipal Solids-Liquid Separation"